

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	356/3-22,28,28.5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L2	8331	(356/3-22,28,28.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/07 13:08
L3	0	L2 and amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D") and (FIFO or "first in first out") register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L4	5	amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D") and (FIFO or "first in first out") register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L5	2	amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D") register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L6	389	amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L7	0	L6 and L1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L8	192	L6 and register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08

## EAST Search History

L9	4	L2 and FIFO register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L10	243	L2 and array and register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L11	6053	L10 and FIFO or "first in first out"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L12	10	L10 and (FIFO or "first in first out")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L13	0	photodetector array and (FIFO or "first in first out") register and multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L14	0	photodetector array and multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L15	565	multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L16	2	image processing multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08

## EAST Search History

L17	19	image processing and multilayer processing and register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L18	1	L17 and FIFO	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L19	32	image processing and multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L20	382	image processing and stacked layers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L21	4	L20 and FIFO	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L22	4	L20 and stacked layers near3 (IC or integrated circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L23	565	multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L24	0	L23 and photodetecotr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08

## EAST Search History

L25	4	L23 and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L26	0	L23 and stacked alyers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L27	25	L23 and stacked layers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L28	9	L23 and stacked layers same (IC or integrated circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L29	30	stacked layers same (IC or integrated circuit) and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L30	2	L29 and "356"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L31	2	("5875158").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/07 13:08
L32	0	L31 and output same register same multiplexing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08

## EAST Search History

L33	1	L31 and output same register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L34	0	L31 and output same multiplexing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L35	1	L31 and multiplexing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L36	8331	(356/3-22,28,28.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/07 13:08
L37	10	L36 and multiplexing near3 output	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L38	0	L36 and T-connect near array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L39	0	L36 and T-connect near5 array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L40	0	L36 and T-connect same array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08

## EAST Search History

L41	0	L36 and T-connect	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L42	90	T-connect	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L43	0	T-connect near photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L44	0	L36 and programable threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L45	24	L36 and program\$5 near7 threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L46	0	L36 and 128x128 array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L47	3	128x128 array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L48	0	L47 and photodetecotr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08

## EAST Search History

L49	1	L47 and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L50	2	("5214274").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/07 13:08
L51	154	InGaAs array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L52	27	InGaAs array and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L53	6	InGaAs array and photodetector and "356"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L54	2	("5875158").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/07 13:08
L55	0	356/3-22,28,28.5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L56	8331	(356/3-22,28,28.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/07 13:08

## EAST Search History

L57	0	L56 and amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D") and (FIFO or "first in first out") register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L58	2	amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D") register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L59	389	amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L60	0	L59 and L55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L61	243	L56 and array and register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L62	6053	L61 and FIFO or "first in first out"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L63	0	photodetector array and (FIFO or "first in first out") register and multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L64	0	photodetector array and multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08



## EAST Search History

L65	565	multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L66	2	image processing multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L67	19	image processing and multilayer processing and register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L68	382	image processing and stacked layers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L69	565	multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L70	0	L69 and photodetecotr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L71	0	L69 and stacked alyers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L72	25	L69 and stacked layers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08

## EAST Search History

L73	30	stacked layers same (IC or integrated circuit) and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L74	2	("5875158").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/07 13:08
L75	0	L74 and output same register same multiplexing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L76	0	L74 and output same multiplexing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L77	8331	(356/3-22,28,28.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/07 13:08
L78	0	L77 and T-connect near array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L79	0	L77 and T-connect near5 array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L80	0	L77 and T-connect same array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08

## EAST Search History

L81	0	L77 and T-connect	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L82	90	T-connect	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L83	0	T-connect near photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L84	0	L77 and programable threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L85	0	L77 and 128x128 array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L86	3	128x128 array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L87	0	L86 and photodetecotr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L88	154	InGaAs array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08

## EAST Search History

L89	27	InGaAs array and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L90	1	L67 and FIFO	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L91	1	L74 and output same register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L92	1	L74 and multiplexing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L93	1	L86 and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L94	5	amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D") and (FIFO or "first in first out") register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L95	4	L56 and FIFO register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L96	10	L61 and (FIFO or "first in first out")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08

## EAST Search History

L97	19	image processing and multilayer processing and register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L98	32	image processing and multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L99	4	L68 and FIFO	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L100	4	L68 and stacked layers near3 (IC or integrated circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L101	4	L69 and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L102	9	L69 and stacked layers same (IC or integrated circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L103	2	L73 and "356"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L104	30	stacked layers same (IC or integrated circuit) and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08

## EAST Search History

L105	10	L77 and multiplexing near3 output	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L106	24	L77 and program\$5 near7 threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L107	2	("5214274").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/07 13:08
L108	6	InGaAs array and photodetector and "356"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L109	2	("5875158").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/07 13:08
L110	192	L59 and register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L111	196	(ladar or lidar) and stacked	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L112	140	(ladar or lidar) and read out and image	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08

## EAST Search History

L113	1004	(ladar or lidar) and shift	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L114	96570	("356").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/07 13:08
L115	249	L114 and L113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:17
L116	139701	("250").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/07 13:08
L117	92	L113 and L116	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L118	1101	L116 and image\$4 and stor\$4 and readout and shift	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L119	6	L116 and image\$4 and stor\$4 and readout and shift and ladar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L120	8	L116 and image\$4 section and stor\$4 section and readout and shift	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08

## EAST Search History

L121	11	("20020063790"   "4644405"   "4723762"   "4956686"   "5250824"   "5331165"   "5693968"   "6252627"   "6444968"   "6784926").PN. OR ("6917041").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/11/07 13:08
L122	9	("3761744"   "4796071"   "5236871"   "5337340"   "5665959").PN. OR ("6444968").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/11/07 13:08
L123	2	L114 and image\$4 section and stor\$4 section and readout and shift	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/11/07 13:08
L124	0	photon detector array and bonded same channels and readout electronics same plurality near3 channels.clm.	US-PGPUB	NEAR	ON	2006/11/07 13:19
L125	0	output signals same photon detector array and bonded same channels and readout electronics same plurality near3 channels.clm.	US-PGPUB	NEAR	ON	2006/11/07 13:19
L126	0	photon detector array and bonded same channels and readout electronics same plurality near3 channels.clm.	US-PGPUB	NEAR	ON	2006/11/07 13:19
L127	0	bonded same channels and readout electronics same plurality near3 channels.clm.	US-PGPUB	NEAR	ON	2006/11/07 13:19
L128	0	channels and readout electronics same plurality near3 channels.clm.	US-PGPUB	NEAR	ON	2006/11/07 13:20
L129	0	readout electronics same plurality near3 channels.clm.	US-PGPUB	NEAR	ON	2006/11/07 13:20
S1	0	356/3-22,28,28.5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 11:33
S2	8072	(356/3-22,28,28.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/01 14:17



## EAST Search History

S3	0	S2 and amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D") and (FIFO or "first in first out") register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 14:19
S4	4	amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D") and (FIFO or "first in first out") register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 14:23
S5	2	amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D") register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 14:24
S6	375	amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 14:24
S7	0	S6 and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 14:24
S8	184	S6 and register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 14:47
S9	4	S2 and FIFO register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 14:50
S10	226	S2 and array and register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 14:50

## EAST Search History

S11	5161	S10 and FIFO or "first in first out"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 14:51
S12	9	S10 and (FIFO or "first in first out")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 15:01
S13	0	photodetector array and (FIFO or "first in first out") register and multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 15:02
S14	0	photodetector array and multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 15:02
S15	504	multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 15:02
S16	2	image processing multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 15:02
S17	26	image processing and multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 15:18
S18	13	image processing and multilayer processing and register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 15:03

## EAST Search History

S19	1	S18 and FIFO	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 15:03
S20	300	image processing and stacked layers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 15:19
S21	4	S20 and FIFO	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 15:22
S22	4	S20 and stacked layers near3 (IC or integrated circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/01 15:22
S23	504	multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 11:33
S24	0	S23 and photodetecotr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 11:33
S25	4	S23 and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 11:34
S26	0	S23 and stacked alyers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 11:34

## EAST Search History

S27	19	S23 and stacked layers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 11:35
S28	6	S23 and stacked layers same (IC or integrated circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 11:38
S29	25	stacked layers same (IC or integrated circuit) and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 11:39
S30	1	S29 and "356"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 11:39
S31	2	("5875158").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/02 11:58
S32	0	S31 and output same register same multiplexing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 11:59
S33	1	S31 and output same register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:00
S34	0	S31 and output same multiplexing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:00

## EAST Search History

S35	1	S31 and multiplexing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:41
S36	8072	(356/3-22,28,28.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/02 12:41
S37	9	S36 and multiplexing near3 output	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:43
S38	0	S36 and T-connect near array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:43
S39	0	S36 and T-connect near5 array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:43
S40	0	S36 and T-connect same array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:43
S41	0	S36 and T-connect	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:43
S42	84	T-connect	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:43

## EAST Search History

S43	0	T-connect near photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:48
S44	0	S36 and programable threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:48
S45	20	S36 and program\$5 near7 threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:51
S46	0	S36 and 128x128 array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:52
S47	3	128x128 array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:52
S48	0	S47 and photodetecotr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:52
S49	1	S47 and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:53
S50	2	("5214274").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/02 12:54

## EAST Search History

S51	107	InGaAs array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:55
S52	24	InGaAs array and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:55
S53	4	InGaAs array and photodetector and "356"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2005/11/02 12:55
S54	2	("5875158").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/02 14:25
S55	0	356/3-22,28,28.5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S56	8183	(356/3-22,28,28.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 16:21
S57	0	S56 and amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D") and (FIFO or "first in first out") register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S58	4	amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D") and (FIFO or "first in first out") register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21

## EAST Search History

S59	2	amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D") register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S60	382	amplifier and differentiator and comparator and ("analog to digital" or AD or "A to D")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S61	0	S60 and S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S62	189	S60 and register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S63	4	S56 and FIFO register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S64	234	S56 and array and register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S65	5571	S64 and FIFO or "first in first out"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S66	10	S64 and (FIFO or "first in first out")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21



## EAST Search History

S67	0	photodetector array and (FIFO or "first in first out") register and multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S68	0	photodetector array and multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S69	531	multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S70	2	image processing multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S71	14	image processing and multilayer processing and register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S72	1	S71 and FIFO	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S73	14	image processing and multilayer processing and register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S74	27	image processing and multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21

## EAST Search History

S75	342	image processing and stacked layers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S76	4	S75 and FIFO	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S77	4	S75 and stacked layers near3 (IC or integrated circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S78	531	multilayer processing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S79	0	S78 and photodetecotr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S80	4	S78 and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S81	0	S78 and stacked alyers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S82	23	S78 and stacked layers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21

## EAST Search History

S83	8	S78 and stacked layers same (IC or integrated circuit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S84	29	stacked layers same (IC or integrated circuit) and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S85	2	S84 and "356"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S86	29	stacked layers same (IC or integrated circuit) and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S87	2	("5875158").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 16:21
S88	0	S87 and output same register same multiplexing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S89	1	S87 and output same register	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S90	0	S87 and output same multiplexing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21

## EAST Search History

S91	1	S87 and multiplexing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S92	8183	(356/3-22,28,28.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 16:21
S93	9	S92 and multiplexing near3 output	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S94	0	S92 and T-connect near array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S95	0	S92 and T-connect near5 array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S96	0	S92 and T-connect same array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S97	0	S92 and T-connect	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S98	88	T-connect	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21

## EAST Search History

S99	0	T-connect near photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S10 0	0	S92 and programable threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S10 1	21	S92 and program\$5 near7 threshold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S10 2	0	S92 and 128x128 array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S10 3	3	128x128 array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S10 4	0	S103 and photodetecotr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S10 5	1	S103 and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S10 6	2	("5214274").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 16:21

## EAST Search History

S10 7	133	InGaAs array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S10 8	26	InGaAs array and photodetector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S10 9	5	InGaAs array and photodetector and "356"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:21
S11 0	2	("5875158").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 16:21
S11 1	171	(ladar or lidar) and stacked	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:31
S11 2	124	(ladar or lidar) and read out and image	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:34
S11 3	883	(ladar or lidar) and shift	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:35
S11 4	94550	("356").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 16:36

## EAST Search History

S11 5	230	S114 and S113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:41
S11 6	136487	("250").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/08 16:41
S11 7	82	S113 and S116	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:43
S11 8	1032	S116 and image\$4 and stor\$4 and readout and shift	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:44
S11 9	5	S116 and image\$4 and stor\$4 and readout and shift and ladar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:44
S12 0	7	S116 and image\$4 section and stor\$4 section and readout and shift	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:49
S12 1	11	("20020063790"   "4644405"   "4723762"   "4956686"   "5250824"   "5331165"   "5693968"   "6252627"   "6444968"   "6784926").PN. OR ("6917041").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/05/08 16:45
S12 2	8	("3761744"   "4796071"   "5236871"   "5337340"   "5665959").PN. OR ("6444968").URPN.	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/05/08 16:47
S12 3	2	S114 and image\$4 section and stor\$4 section and readout and shift	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/08 16:49